

DATA MANAGEMENT APPLICATION PROGRAMMING INTERFACE  
HANDLING MOUNT ON MULTIPLE NODES IN A PARALLEL FILE  
SYSTEM

**ABSTRACT**

5        In a cluster of computing nodes having shared access  
to one or more file systems in data storage using  
parallel file system software, a method for managing the  
data storage includes initiating a session of a data  
management application on a first one of the nodes, while  
10        running a user application on a second one of the nodes.  
A request is submitted to the parallel file system  
software by the user application on the second node to  
mount one of the file systems in the data storage. A  
mount event message is sent from the second node to the  
15        first node responsive to the request, for processing by  
the data management application on the first node. When  
the file system is to be unmounted, preunmount and  
unmount events are sent for processing by the data  
management application on the first node.